

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION - MATERIALS LABORATORY
PO BOX 47365 OLYMPIA, WA 98504/STREET-1655 S. 2nd AVE TUMWATER, WA 98512

BITUMINOUS SECTION TEST REPORT
TEST OF PAVING ASPHALTS

GRADE: PG64-22 Antistrip: % 0.25
SUPPLIER: SOUND Type:ARR-MAZ
SHIPPER: SOUND
DATE RECD: 06/29/2010

WORK ORDER # 007912
TRANS. LTR.# 1079EF
LAB.IDENT. # 00001079EF
ASPH. LAB. # A100379
BID ITEM. # 9.02
REGION # 43

SR NO: COUNTY:
SECTION: OLD SR3 TO 0.4 MILES S OF ANDERSON HILL ROAD

=====

ACCEPTANCE NO.	ASSURANCE NO.	CERT NO.	DATE SAMPLED
2A/2B		5597	06/22/2010

TEST: RESULTS: SPECIFICATIONS:

=====

ORIGINAL PROPERTIES:

VISCOSITY

(BROOKFIELD) @ 135 C, Pa s	0.4	3 MAXIMUM
DYNAMIC SHEAR @ 64 C, kPa	1.48	1.00 MINIMUM
C.O.C. FLASH POINT, C		230 MINIMUM

RTFO AGED PROPERTIES:

MASS LOSS AFTER RTFO, %	0.40	1.00 MAXIMUM
DYNAMIC SHEAR @ 64 C, kPa	3.19	2.20 MINIMUM
MSCR @ 3.2 kPa @ 58 C, %	1.7	REPORT ONLY
DIFFERENCE RECOVERY, %	47	REPORT ONLY
NON-RECOVERABLE COMPLIANCE, Jnr	1.3	REPORT ONLY

MSCR and Jnr testing performed at PG base grade temperature

PAV AGED PROPERTIES:

PAV AGING TEMPERATURE C	100.0	
DYNAMIC SHEAR @ 25 C, kPa	3921	5000 MAXIMUM
DYNAMIC SHEAR @ 22 C, kPa	5755	REPORT ONLY
CREEP STIFFNESS @ -12 C		
"S", MPa	152	300 MAXIMUM
"m"	0.340	0.300 MINIMUM

=====

OSC LABORATORY:

Materials File	X	Material does MEET
General File	X	specification requirements.

REGION: OLYMPIC

Construction Engineer	43	X
Materials Engineer	43	X
PE: J. MOORE		X(2)
SOUND		X

THOMAS E. BAKER, P.E.
Materials Engineer

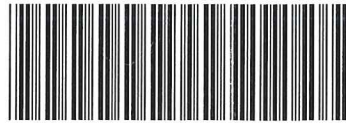
T-119	3	T-126
T-120	1	T-132
T-121	1	T-133
T-124	1	T-136
T-130	1	
T-131	1	
T-134		
T-173		

By: Joseph R. DeVol

Date 07/15/2010
Telephone 360-709-5421



Washington State
Department of Transportation



* 0 0 0 0 0 1 0 7 9 E F *

Sample Information

LAB ID No.	A100379
Sample ID	000001079ef

Work Order 007912 Section Old SR 3 to 0.4 Miles S. of Anderson Hill Rd.
Orgcode 434308
UOM SR Number
Contractor
Remarks

Material	PG 64-22 - 9-02.1(4)A - 2010		
Bid Item No	009.02		
Sampled At	Tanker	Sampled By	Operator
Date Sampled	6/22/2010	Quantity Represented	1600
IA Sample No		Acceptance Sample No	2A/2B
Supplier Name	Sound	Used At Station	
Manufacturer	Granite	Asphalt % Requested	
Spec Ref	9-02	Mix ID No	
Size		Lot No	
Type	Paving Asphalt	Heat No	
Make	Paving Asphalt	Reel No	
Cert No	5597	Roll No	
Stockpile No		Ignition Furnace Calibration factor:	
Grade	PG 64-22	State	Field
Pit No			

Specifications

Test Property	Field Result	Region Result	HQ Result	Jmf	Lower Limit	Upper Limit
C.O.C. Flash Point, C					230	
Viscosity at 135 C, Pa·s						3
Original Dynamic Shear at 64 C, kPa					1	
% Mass Change						1
RTFO Dynamic Shear at 64 C, kPa					2.2	
PAV Dynamic Shear at 25 C, kPa						5000
Creep Stiffness at -12 C, "S", MPa						300
Creep Stiffness at -12 C, "m"					0.3	

Project Engineer
Moore, Jerry

Submitted by
M. Bartley

Phone
(360) 565-0624

RECEIVED
JUN 29 2010
STATE MATERIALS LAB